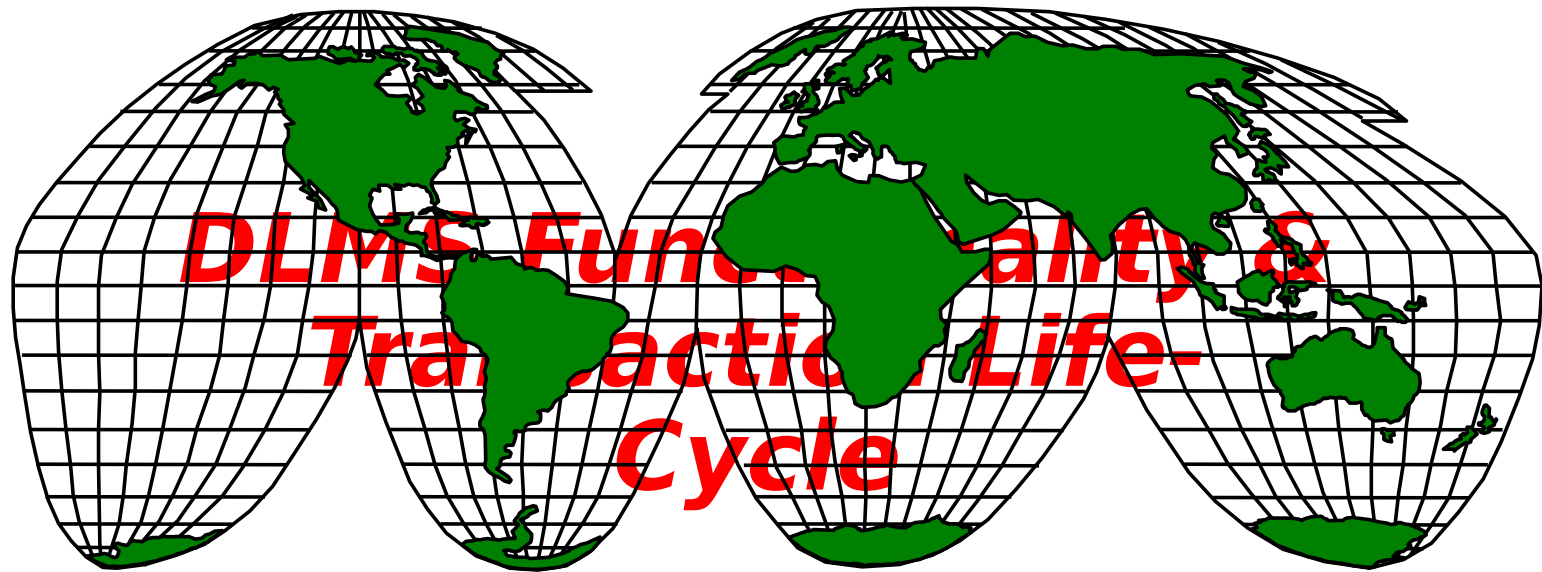




# Defense Logistics Management System (DLMS) Introductory Training





# DLMS Training Catalog

- Module 1 - Introduction to the DLMS**
- Module 2 - Electronic Data Interchange (EDI) Basics and ASC X12 EDI Definitions and Concepts**
- Module 3 - DLMS Functionality & Transaction Life-Cycle**
- Module 4 - DLMS Transaction Supplement Content**
- Module 4F - DLMS Functional Financial Transaction Life-Cycle**
- Module 5 - IUID & RFID - Emerging Technologies**
- Module 6 - Creating/Reengineering DOD Logistics Business Processes**
- Module 6A - DLMS Configuration Management (stand alone Module)**
- Module 7 - Enterprise Interoperability Tools**
- Module 8 - DoD Activity Address Directory (DoDAAD)**



# Module 3

## Structure

# DLMS Functionality & Transaction Life-Cycle

- **Relationship Between the DLMS EDI & DLSS**
- **DLMS Functionality by Transaction**
- **DLMS office Web Site Navigation**



# Module 3 Objectives

**Students will gain a basic understanding of:**

- **Relationship of the DLMS and DLSS data formats**
- **High level functionality of the DLMS**
- **Relationship among DLMS business transactions**
- **Breadth of functionality covered by the DLMS**
- **Functional and data enhancements afforded by DLMS**
- **How to navigate the DLMS office web site as a DLMS resource**



# **Data Relationship Between the DLMS EDI and the DLSS 80 Record Position Fixed Length Data Field formats**



# EDI Document Structure

## The DLSS Fixed Format Requisition

304050607080910111213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656657686970717273747576777

### MILS Format

<u>RP</u> s	<u>Field Legend</u>	<u>Sample Data</u>
01-03	Document Identifier	A01
04-06	Routing Identifier	SMS
07	Media and Status	B
08-22	Stock Number	
5910001234567		
23-24	Unit of Issue	EA
25-29	Quantity	1
30-43	Document No	
FB230093070001		
44	Demand	R
45-50	Supplementary Address	
51	Signal	A
52-53	Fund	KZ
54-56	Distribution	
57-59	Project	9GF
60-61	Priority	08
62-64	Reqd. Delivery Date	777
65-66	Advice	2A
67-69	Blank (Date of Rcpt on Referral/Passing Order)	
70-80	Blank (Intra-Service use)	

### DLMS EDI Format

```

ST*511*00000001^
BR*00*A0*20000729*****131
708^
N1*OB**10*FB2300**FR^
LX*1^
N9*TN*FB230093070001^
PO1**1*EA***FS*5910001234
567^
DD*R*74^
LM*DF^
LQ*0*A01^
LQ*78*9GF^
LQ*79*08^
LQ*80*2A^
LQ*DE*A^
LQ*DF*B^
LQ*AL*777^
N1*Z4**M4*SMS**TO^
FA1*DY*D340^
FA2*B5*KZ^
SE*14*00000001^

```



# DLMS transaction/DLSS Transaction Relationship

DLMS	DLSS Document Identifier Code (DIC)
DLMS 527R - Receipt	<b>D4M/D4S/D4U/D4V/D4X/D4Z/</b> <b>D6A/D6B/D6C/D6D/D6E/D6G/D6H/D6J/</b> <b>D6K/D6L/D6M/D6N/D6Q/D6R/D6T/D6U/</b> <b>D6V/D6X/D6Z/</b> <b>DRA/DRB/DRF/</b> <b>DXA/DXB/DXC/DXD/</b> <b>DZK</b>

Transactions within a DLSS family:

- 1 DLMS Transaction, 33 DLSS Transactions, 5 Families

Same first 2 characters of the Document Identifier Code

- Data content nearly identical -- lots of reusability

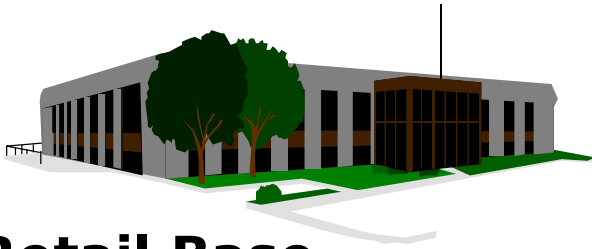


# DLMS Functional Transaction Life-Cycle Overview





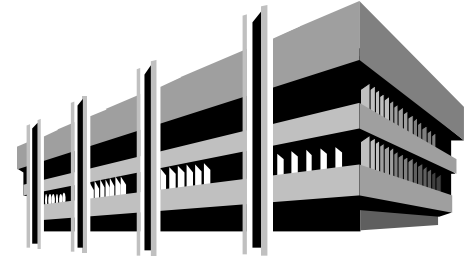
# DLMS Requisition Cycle



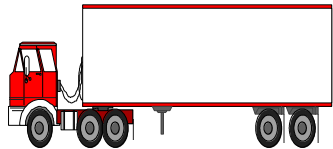
**Retail Base**



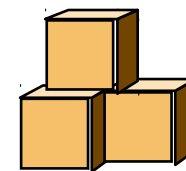
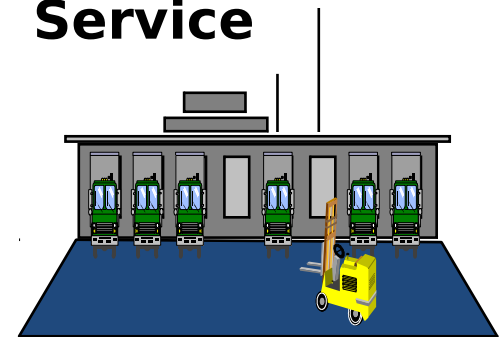
**Source of Supply (SOS)  
ICP/IMM**



**Defense  
Finance and  
Accounting  
Service**



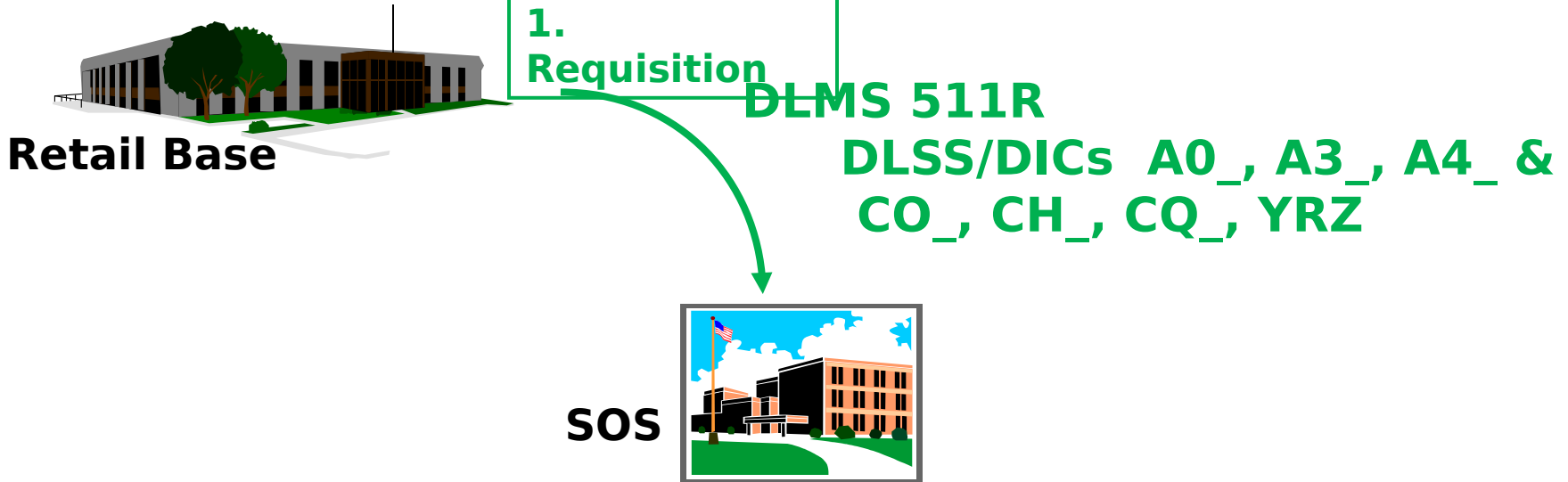
**USTRANSCOM**



**Distribution  
Depot  
or Vendor**



# DLMS Requisition Cycle





# DLMS 511R, Requisition

## Basic Functionality

- Standard and non-standard materiel
- Government-furnished materiel (GFM)
- Security Assistance
- Passing orders
- Referral orders



# DLMS Enhancements

- **Transaction set preparation date/time**
- **Supply condition code**
- **Unit Price/Total Dollar Value**
- **Utilization code**
- **Special requirements code**
- **Shipment Status**
- **Points of contact**
- **Remarks**
- **Detailed line of accounting components**
- **Associated special program requirement transaction number**



# DLMS Enhancements (con't)

- **Expanded item identification**
- **Weapon system designator code**
- **Quantity stratified by weapon system and demand code**
- **Reason for requisitioning code**
- **Party(ies) to receive status DoDAAC**
- **Mark-for-Party**
- **Unique item identification information**
- **Clear text exception ship-to location**



# DLMS Enhancements Applicable to Non-Standard Material

- Supporting Document No.
- Color
- Drawing Revision No.
- Catalog Number
- Series Identifier
- Model Number
- Figure Number
- ✓ General Specification No.
- ✓ Manufacturer's Name
- ✓ Process Number
- ✓ Publication Number
- ✓ Dimension/Measurement
- ✓ Material Description
- ✓ Potential Source of Supply
- ✓ End Item Manufacturer

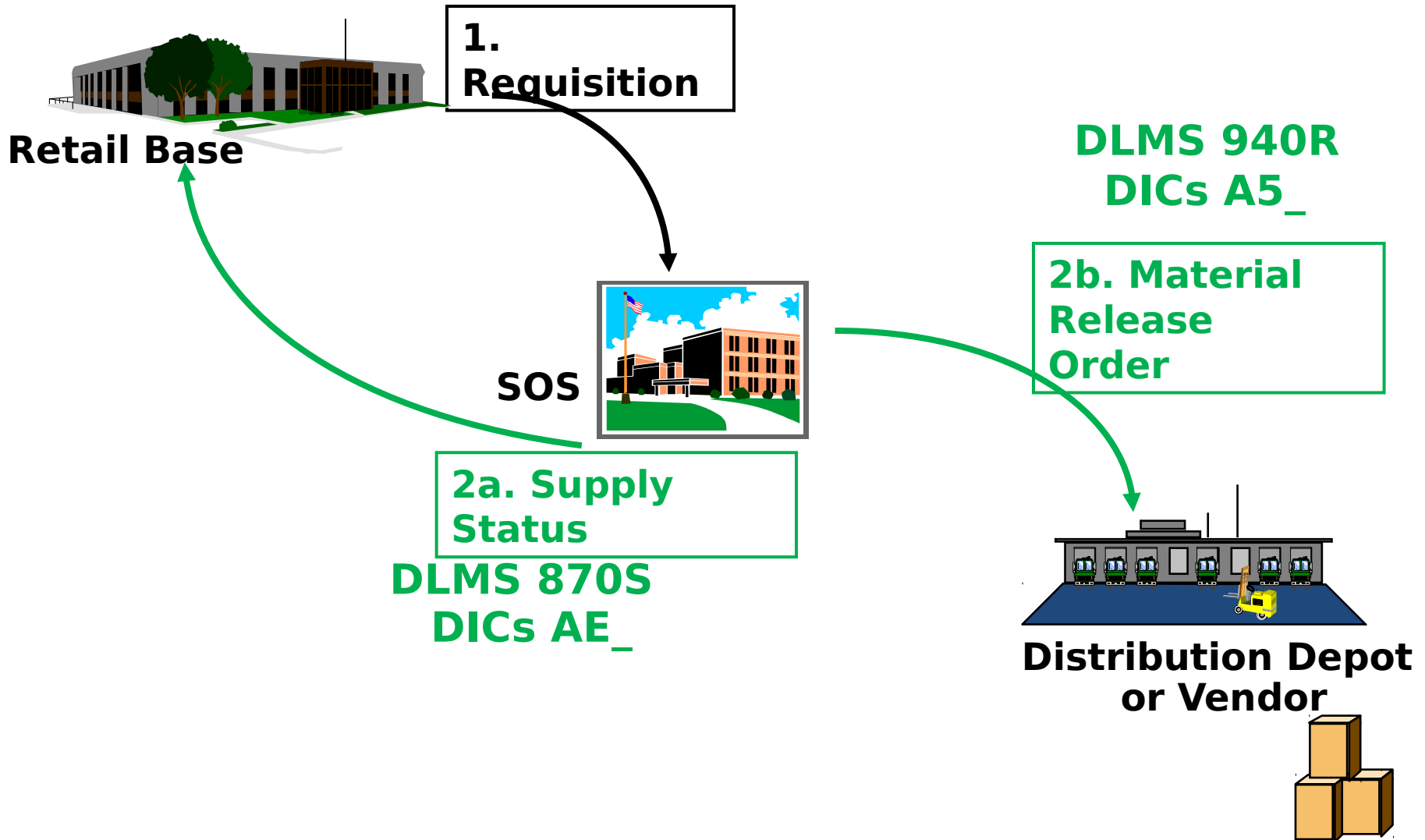


# DLMS 511R, Requisition

**After initial submission . . . .**



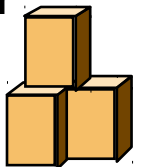
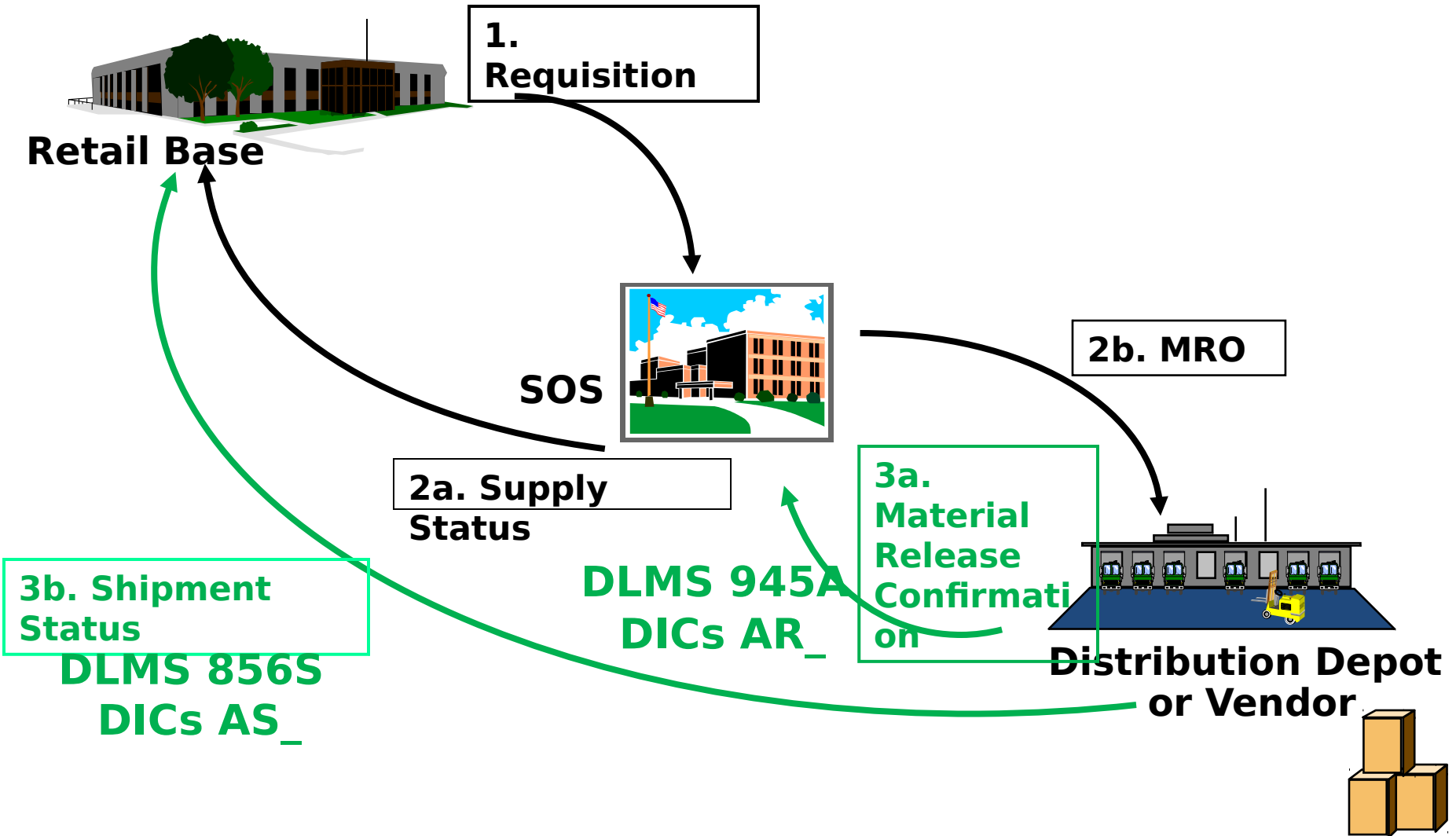
# DLMS Requisition Cycle





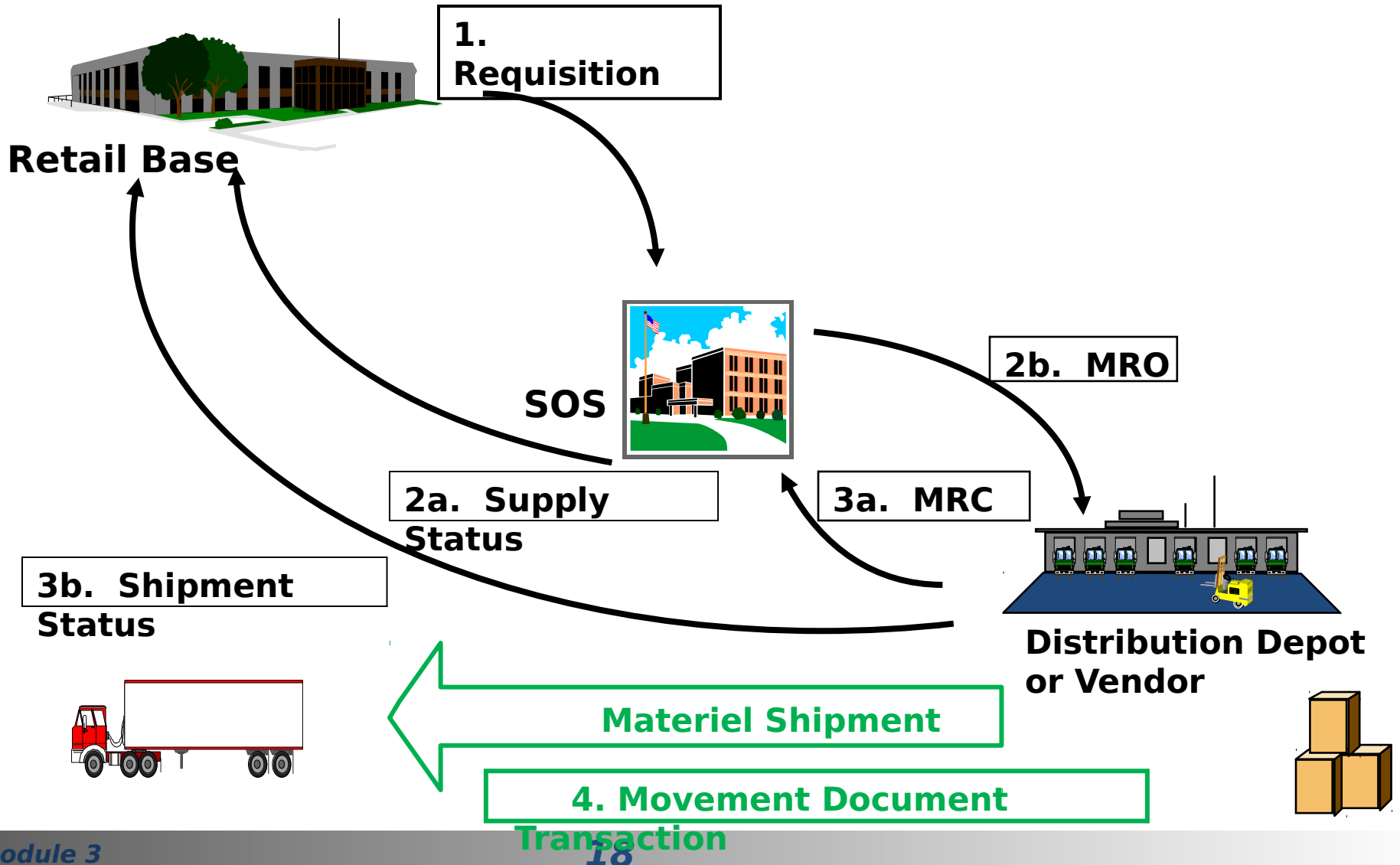


# DLMS Requisition Cycle





# DLMS Requisition Cycle





# Transportation

**USTRANSCOM leading  
transportation reengineering  
efforts**

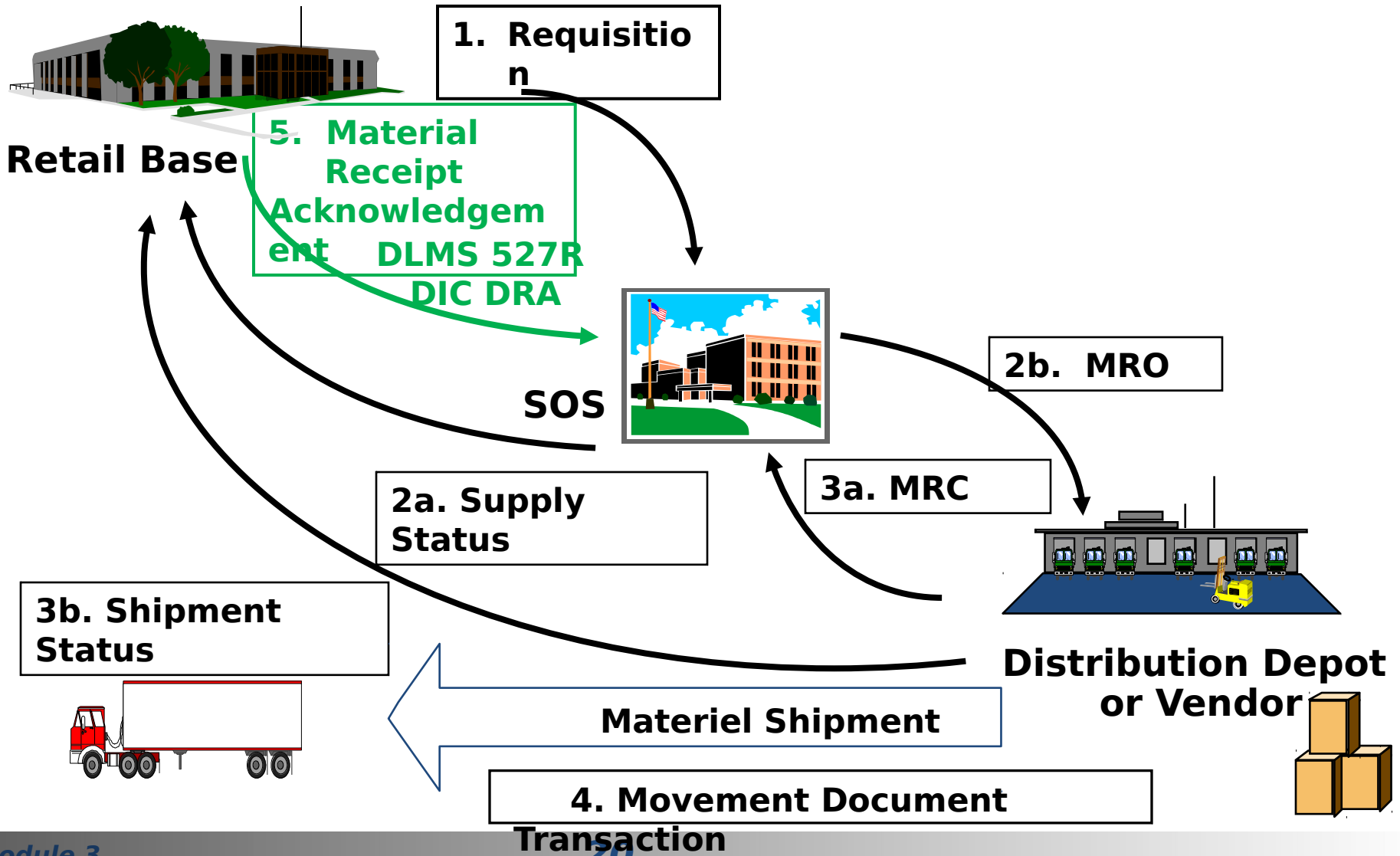
**DoD goal is a paperless business  
environment using e-Business**

**Wide range of transportation  
specific ICs ANSI ASC X12 is**

**Procedures governed by DTR**

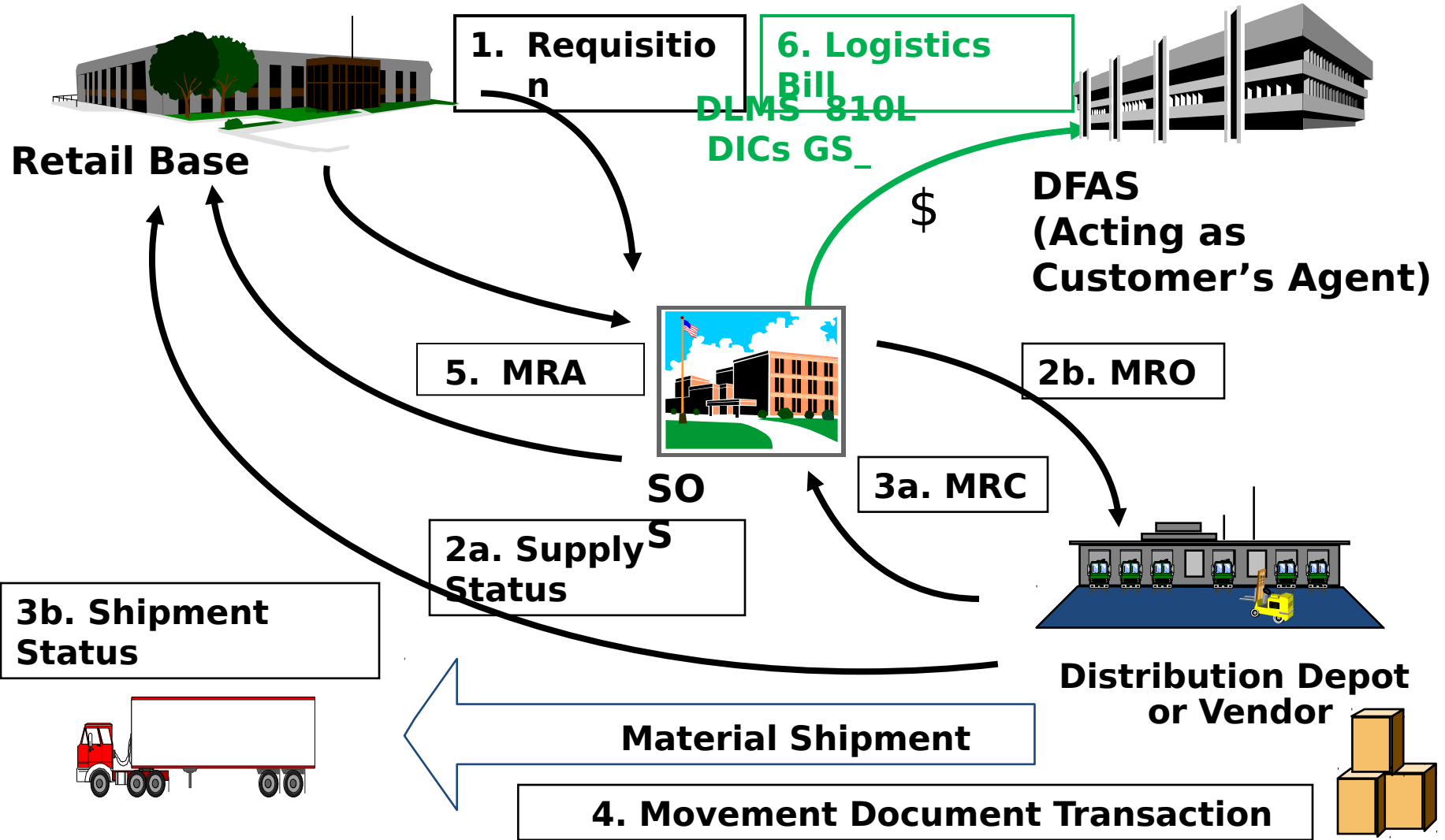


# DLMS Requisition Cycle



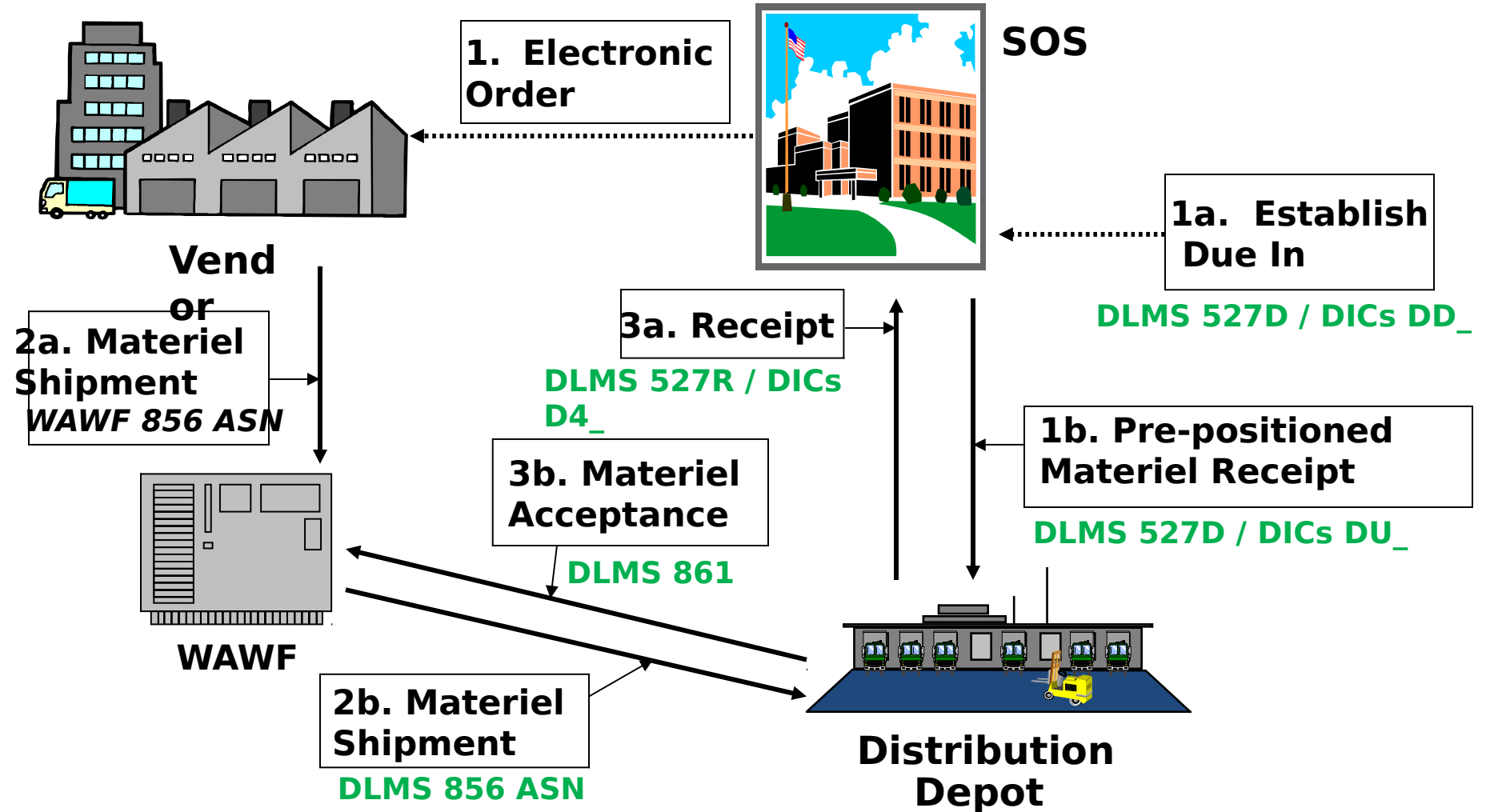


# DLMS Requisition Cycle



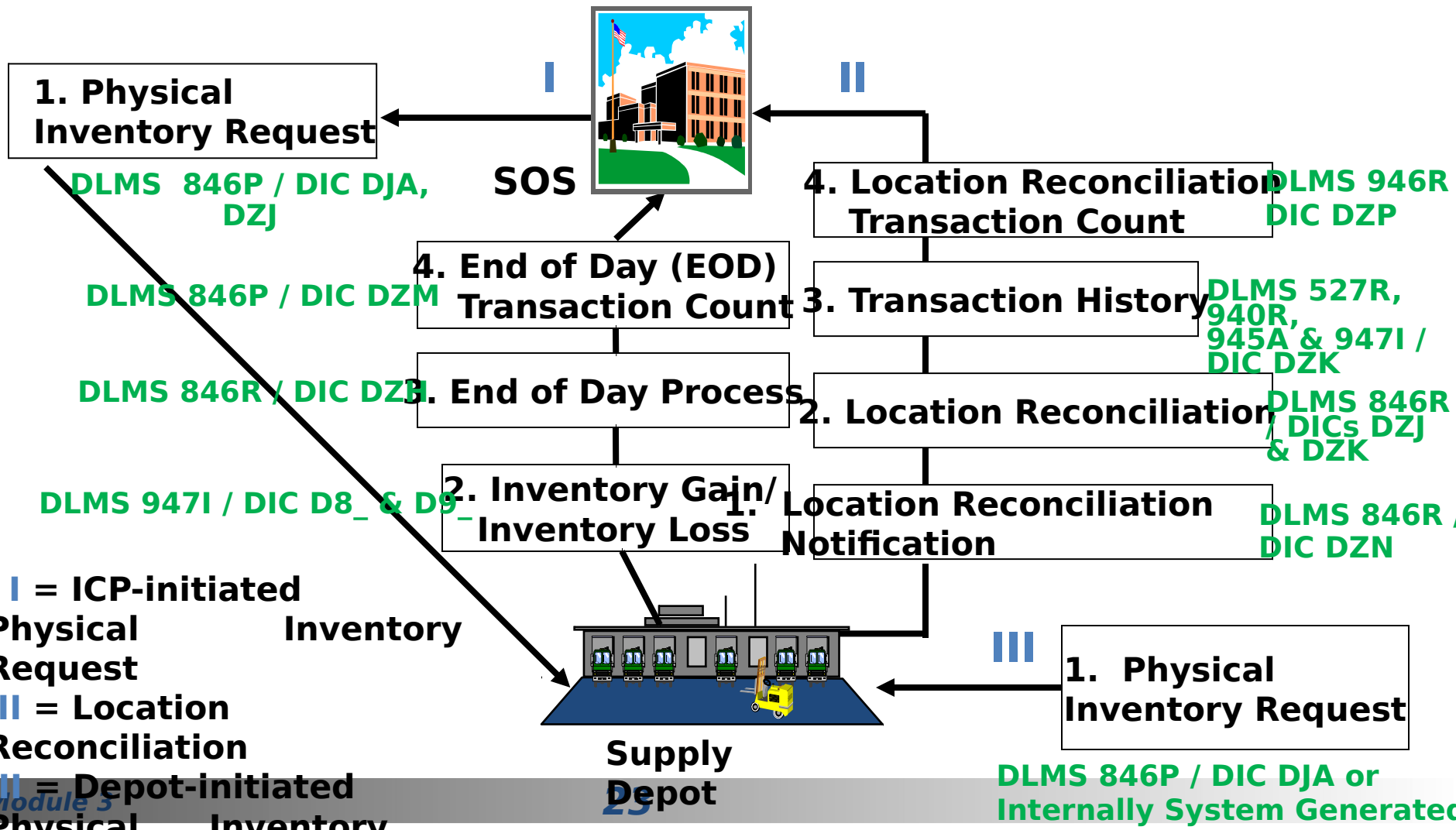


# Receipt Processing (New Procurements)





# Physical Inventory Control Program



**I = ICP-initiated Physical Inventory Request**  
**II = Location Reconciliation**  
**III = Depot-initiated Physical Inventory**



# Sample of DLMS Enhancements

- Automation of previously manual processes under the DLSS such as Supply Discrepancy Reporting DLMS 842A/R
- Mass transaction modification and cancelation capability– previously addressed by single line item or requested off-line
- Separately identify supply & transportation priorities
- Transmission to recipients of Radio Frequency Tag Identifier (RFID) at multiple tagging indenture levels
- Transmission of Unique Item Identifier (UII) of items
- Capability to transmit clear text exception data
- Capability to transmit detailed Contract, Storage data, etc.
- Inclusion of Component unique data
- Current data enhancements by DLMS Supplement published on DLMS Web site.





# DLMS GFP Accountability Enhancements

## **New transaction data & business rules required by ADC 1014:**

- Full DFARS contract number data in GFP requisitions DLMS 511R.
- MCA or DAAS when acting on behalf of the MCA perpetuate contract number data in requisition 511R and GFM Validation DLMS 517G.
- Source of supply (SOS) perpetuate the GFP contract data in the Materiel Release Order (DLMS 940R) sent to supply depot for stock issues.
- Shipping activity or SOS, as applicable, to perpetuate the GFP contract number data to the shipment status (DLMS 856S).
- Contractors using DLMS transactions & shipping GFP into DoD inventory identify GFP contract data in shipment status transaction (DLMS 856S or 856R) and shipping documentation.
- Include contract data in the DLMS 940R when used to direct reparable for induction to commercial maintenance & perpetuate contract data in status trans.
- Contract number on the DLMS 856S, Shipment Status, when used for DD 1149 requirements and shipping to a contractor as GFP.
- Stock issues require the shipping activity to identify the GFP contract number on the Issue transaction DLMS 867I



# DLMS Functionality

## ALSO:

- **Material Returns Program**
- **Material Obligation Validation Program**
- **Foreign Military Sales Notice of Availability**
- **Logistics Reassignment**
- **War Material Requirements**
- **Special Program Requirements**
- **Demand Data Exchange**
- **Additional Inventory Related Transactions**
- **Small Arms/Ammunition**
- **Supply Discrepancy Report Processing**
- **Logistics Asset Support**
- **Asset Status Reporting**
- **Weapon Systems Program**
- **Contract Administration (MILSCAP Functionality)**

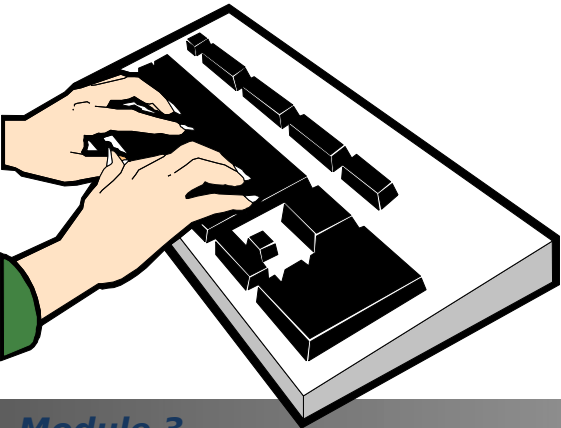


# The DLMS office Web Site

## A Valuable Resource

Navigation of the DLMS office  
web site

[www.dla.mil/j-6/dlms](http://www.dla.mil/j-6/dlms)





# Easy Access To:

- **Latest published DLSS & DLMS manuals**
- **DLMS Supplements**
- **DLMS XML Schemas**
- **Process change documentation**
- **Committee information**
- **DLMS Dictionary**
- **Link to Logistics Functional Data Administration web site: <http://www2.dla.mil/j6/dlmso/eApplications/LogDataAdmin/logdata.asp>**
- **Link to DLMS training**
- **And more - worth exploring!!!**



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 "New name - Same Mission - Logistics Interoperability"  
 DLMS Center of Excellence

**Mission:** *Facilitate continuous enterprise integration process improvements to logistics management and operations*

**Objective:** Consistently exploit state of the art best business practices while making most effective use of technology to accelerate transformation of DoD logistics operations from obsolete information exchange (DLMS) processing to variable length records made possible by Defense Logistics Management System (DLMS) processing and related publications providing guidance for emerging Enterprise Resource Planning (ERP) operations until the DoD-enterprise has transformed their respective operations.

**Quick link to the DLMS Supplements**

**HOT TOPICS:**

- DoD 411 - Email Address Lookup

**DLMS Video:**

- The Art of DoD Logistics
- The Art of DoD Logistics (w/captions)

**Latest information:**

- DLMS Implementation

**Events & Meetings:**

- DoDAAD PRC Meeting March 6-7, 2013

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### DLMS Supplements to Federal Implementation Com...

This page contains several formats of the Supplement to ASC X12: .pdf and .sef; XML Schema .xsd.

Bookmarks to sections of this page: [140](#); [180](#); [511](#); [517](#); [527](#); [536](#); [567](#); [650](#); [810](#); [812](#); [824](#); [830](#); [832](#); [842](#); [842S/R](#); [846A](#); [846I](#); [846O](#); [846S](#); [856](#); [857](#); [867](#); [869](#); [870](#); [888](#); [940](#); [940S](#); [943A](#); [945](#); [947](#); [Passive RFID Visibility Transactions](#)

NOTE: Click on the selected DLMS Supplement (DS) Number (e.g. 140A in the far left column) to retrieve all applicable DLMS data elements and their locations within the selected DLMS Supplement.

**Left Clicking** on the Hyperlink will normally **display** the document.  
**Right Clicking** on the Hyperlink will normally allow you to **save** the document to your PC.

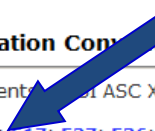
**Before printing, recommend changing settings to landscape with left/right margins at 0.25".**

Click to Print Table Below

No.	X12 Version	Federal IC	DLMS Supplement (DS)*	DLMS Change with Associated DS**	Title	DLMS Enhancements	DIC
140A	4010	<a href="#">7 Aug 08</a>	<a href="#">004010F140A2AA04 Aug0411</a> <a href="#">004010F140A2AA04 Aug0411</a> <a href="#">004010F140A2AA04 Aug0411</a>	<a href="#">ADC 77</a> <a href="#">ADC 147</a> <a href="#">ADC 171</a> <a href="#">ADC 220</a> <a href="#">ADC 249</a> <a href="#">ADC 436</a>	Small Arms & Light Weapons (SA/LW) Reporting	<a href="#">140A</a>	<a href="#">DSC</a> <a href="#">DSD</a> <a href="#">DSF</a> <a href="#">DSM</a> <a href="#">DSR</a>
180M	4010	<a href="#">6 Nov 05</a>	<a href="#">004010F180M3MA05 Oct1111</a> <a href="#">004010F180M3MA05 Oct1111</a> <a href="#">004010F180M3MA05 Oct1111</a>	<a href="#">ADC 60</a> <a href="#">ADC 60A</a> <a href="#">ADC 60B</a> <a href="#">ADC 77</a> <a href="#">ADC 170</a> <a href="#">ADC 435</a>	Material Returns Reporting	<a href="#">180M</a>	<a href="#">FTA</a> <a href="#">FTC</a> <a href="#">FTF</a> <a href="#">FTE/FTG</a> <a href="#">FTT</a>

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**Jump to a specific Transaction**



- Related Links:**
- DLMS to DLSS Cross Reference
  - DLSS to DLMS Cross Reference
  - Proposed Changes
  - Deferred Changes
  - Approved Changes
  - Dictionaries/Directories
  - DoD XML Registry
  - Supply PRC
  - Finance PRC
  - Get MS Word Viewer
  - Get Adobe Reader



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511R <a href="#">Back to top</a>	4010	19 Jun 06	004010F511R5RA34 Dec1712 004010F511R5RA34 Dec1712 004010F511R5RA34 Dec1712	ADC 45 ADC 59 ADC 67 ADC 69 ADC 69A ADC 70 ADC 75 ADC 76 ADC 77 ADC 79 ADC 83 ADC 86 ADC 97 ADC 169 ADC 176 ADC 178 ADC 183 ADC 186 ADC 221 ADC 221A ADC 243 ADC 264 ADC 266 ADC 274 ADC 276 ADC 279 ADC 284A ADC 322 ADC 328 ADC 352 ADC 359 ADC 363 ADC 375 ADC 377	Requisition	511R	A0_AM A0_/AM A02/A0B A3_ A4_
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**First link is always the Supplement**



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Address http://www.dla.mil/j-6/dlmso/elibrary/TransFormats/Supplements/4010/004010F511R4RA08\_Jan3107\_ADC\_221.pdf

DLMS Supplement to Federal IC 511R Requisition ADCs 45, 59, 67, 69, 69A, 70, 75, 76, 77, 79, 83, 86, 92, 97, 169, 176, 178, 183, 186 and 221 DoD 4000.25-M

## 511 Requisition

### Functional Group=RN

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Requisition Transaction Set (511) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to requisition needed material and equipment from a supply distribution system for immediate consumption or stockage against projected requirements. The originator can also use this transaction set to inquire about the status of, amend, or terminate the original requisition. This transaction set may be used to convey a description and quantity of the required material, delivery and billing information, and other logistics information necessary to evaluate and meet the material needs of the originator. This transaction set is not used to establish a contractual relationship between trading partners, and may precede the use of a purchase order.

**Federal Note:**

1. Organizations use this transaction set to order items of supply, to refer transactions to another supply source for processing, and to transmit misrouted transactions between supply sources.
2. Use a single occurrence of this transaction set to transmit single or multiple requisitions to one or more supply sources.
3. A single transaction set may contain a combination of requisitions for standard and nonstandard material.
4. DoD logistics users should refer to the Defense Logistics Management System (DLMS) Supplement to the Federal Implementation Convention (IC) available at URL: <http://www.dla.mil/j-6/dlmso>. The DLMS Supplement provides specific business rules, conditions, and authorized codes necessary for appropriate use of this IC within the DLMS.

**DLMS Note:**

1. Requisitions for material to be provided as Government Furnished Material (GFM) to commercial contractors, requisitions for excess government owned plant property, and requisitions from foreign governments for material to be provided in support of Security Assistance (SA) contain distinguishing requirements which do not apply to non-GFM or non-SA requisitions.

1 of 57

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*Mission: Facilitate the integration process improvements to logistics management*

### Objective:

Consistently explore, develop, and improve logistics process and procedures through state of the art best business practices while making most effective use of taxpayer dollars in support of the warfighter. Accelerate transformation of DoD logistics operations from obsolete information exchange processes (also known as MILS-Military Standard Logistics Systems) to variable length records made possible by Defense Logistics Management System (DLMS) processing. Develop, coordinate and publish Defense Logistics Manuals (DLMs) and related publications providing guidance for emerging Enterprise Resource Planning (ERP) programs. Preserve legacy operations until the DoD-enterprise has transformed their respective operations.

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- [JPIWG PRC Meeting September 22, 2011](#)



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### eApplications

#### Defense Logistics Standard Systems (DLSS)/Defense Logistics Management System (DLMS) Cross-Reference Tables

#### Related Links:

- [DLMS Data Element Dictionary/ Directory](#)
- [DLMS/ANSI X12 Conversion Guides](#)

1. A cross-reference of each DLSS Document Identifier (DI) code (e.g., A01) to DLMS supplement (DS) number (e.g. 511R) for all DLSS legacy processes in two (2) sequences:
  - [DI Code Sequence](#)
  - [DLMS Supplement Sequence](#)
2. Customer assistance aids consisting of MILSTRIP/MILSTRAP correlation tables in DI code and DSsequence and a DLSS/DLMScross reference table providing general functional equivalency between DS, DI family and DI Code are provided. In addition to the identification of DI code/DS basic cross-references, the MILSTRIP/MILSTRAP functionality tables provide the actual physical location of the applicable transaction type code(s) within each DS and clarifying information for defining a valid correlation.

- [Correlation of MILSTRAP DI Code Functionality to DLSS](#)
- [Correlation of MILSTRAP DI Code Functionality to DLMS](#)
- [DLSS/DLMS cross reference table](#)

**DLSS/DLMS  
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### eLibrary

#### MILS to DLMS Cross Reference Report

**MILS to DLMS Cross Reference Report**

DLMS IC	Family	DIC	Description	Comment
140A	DS	DSC	SMALL ARMS AND LIGHT WEAPONS CORRECTION	
140A	DS	DSD	SMALL ARMS AND LIGHT WEAPONS RECEIPT/SHIPMENT FOLLOW-UP	
140A	DS	DSF	SMALL ARMS AND LIGHT WEAPONS RECONCILIATION/REJECT FOLLOW-UP	
140A	DS	DSM	SMALL ARMS AND LIGHT WEAPONS SERIAL NUMBER CONTROL	
140A	DS	DSR	SMALL ARMS AND LIGHT WEAPONS RECONCILIATION/REJECT	
180M	FT	FTA	AUTOMATIC RETURN NOTIFICATION - CUSTOMER NOTIFICATION TO A SUPPLY SOURCE OF AN AUTOMATIC RETURN	
180M	FT	FTC	CANCELLATION OF CUSTOMER ASSET REPORT - CUSTOMER CANCELLATION OF PREVIOUSLY SUBMITTED ASSET REPORT	
180M	FT	FTE	CUSTOMER ASSET REPORT - CUSTOMER REPORT OF AVAILABLE ASSETS	
180M	FT	FTF	FOLLOW-UP FOR ICP/IMM REPLY TO CUSTOMER ASSET REPORT - CUSTOMER FOLLOW-UP TO ICP/IMM	
180M	FT	FTG	CUSTOMER ASSET REPORT (PART-NUMBERED ITEMS) - CUSTOMER REPORT OF AVAILABLE ASSETS FOR PART-NUMBERED ITEMS (NOT AUTHORIZED FOR ASSET REPORTS DIRECTED TO DLA)	

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- [DLMS/ANSI Conversion Guides](#)
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# Essential ANSI ASC X12 Code/DoD Code Conversions

- **ANSI ASC X12 mandates use of ANSI code list values in X12 transaction transmissions where they exist**
- **There are three ANSI Code lists that must be used in DLMS transactions**
  - ✓ **Mode of Shipment**
  - ✓ **Type of Pack**
  - ✓ **Unit of measure**
- **DLMS Conversion guides map DoD definitions to desired X12 definitions**
  - ✓ **DoD applications must convert outbound transactions from DoD code values to ANSI code values based on DLMS Conversion Guide definitions**
  - ✓ **DoD applications must convert inbound transactions from ANSI code values to DoD code values based on DLMS Conversion Guide definitions**



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**DLMS Conversion Guides**

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"New name - Same Mission"  
DLMS Center of Excellence

**Mission: Facilitate continuous enterprise integration process improvements to logistics management and operations.**

**Objective:**

Consistently explore, develop, and modify DoD logistics process and procedures through state of the art best business practices while making most effective use of taxpayer dollars in support of the warfighter. Accelerate transformation of DoD logistics operations from obsolete information exchange processes (also known as MILS-Military Standard Logistics Systems) to variable length records made possible by Defense Logistics Management System (DLMS) processing. Develop, coordinate and publish Defense Logistics Manuals (DLMs) and related publications providing guidance for emerging Enterprise Resource Planning (ERP) programs. Preserve legacy operations until the DoD-enterprise has transformed their respective operations.

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**HOT TOPICS:**

- Soon to be released Defense Logistics Manuals (DLMs)
- DoD 411 - Email Address Lookup
- DLMS Implementation

**Latest information:  
Events & Meetings:**

- JPIWG PRC Meeting  
September 22, 2011



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http://www2.dla.mil/j-6/dlms/eApplications/LogDataAdmin/dlmsansiconverguides.asp

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### eApplications

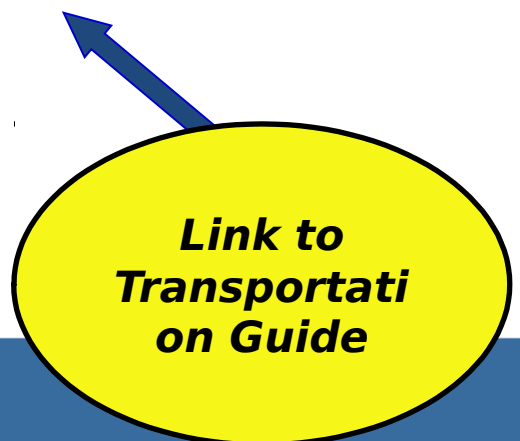
## Defense Logistics Management Standards (DLMS) / ANSI ASC X12 Conversion Guides

Three (3) sets of conversion guides contain a cross reference of DoD domain codes (data item codes) to ANSI ASC X12 domain code values. All three conversion guides must be implemented in DoD systems using ANSI ASC X12 transaction formats to convert DoD data values established in legacy systems to the corresponding ANSI ASC X12 code values. The applicable conversion guides are:

- [Transportation Mode of Shipment/Transportation Method/Type Code Conversion Guide](#)
- [Type of Pack Conversion Guide](#)
- **Unit of Material Measure (Unit of Issue/Purchase Unit) Conversion Guide**  
For ease of use, this conversion guide is available in three different sort sequences:
  - [DoD Code Sequence](#)
  - [ANSI ASC X12 Code Sequence](#)
  - [Alphabetic Name Sequence](#)

**Related Links:**

- [DLMS Data Element Dictionary/ Directory](#)
- [DLSS/DLMS Cross Reference Table](#)





- DLMS Qualifiers
- DLMS Supplements
- DLMS Data Segments
- ANSI X12 Simple Data Elements
- ANSI X12 Composite Data Elements
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## LOGISTICS QUALIFIER CODE LIST

QUALIFIER CODE \*9

**NAME:** TRANSPORTATION METHOD/TYPE CODE CONVERSION GUIDE

**ALIAS:**

**DEFINITION:** FOR EASE IN TRANSITION FROM THE DOD LEGACY TRANSPORTATION MODE OR METHOD CODE VALUES USED IN DLMS TRANSACTIONS TO THE ANSI X12 CODE VALUES USED BY THE US TRANSCOM AND THE COMMERCIAL TRANSPORTATION COMMUNITY, THE DLMS WILL CONTINUE TO SUPPORT THE FAMILIAR DOD CODE VALUES LISTED BELOW. THIS CONVERSION GUIDE MUST BE IMPLEMENTED BY ALL SENDERS AND RECIPIENTS OF DLMS TRANSACTIONS IN ALL TRANSMISSION AND RECEIPT PROCESSES TO PRECLUDE REJECTION OF DLMS TRANSACTIONS BY THE TRANSPORTATION COMMUNITY IN THEIR VALIDATION PROCESSES.

**REMARKS:**

**SOURCE:** DEFENSE TRANSPORTATION REGULATION (DTR) AND APPROVED DEFENSE LOGISTICS MANAGEMENT SYSTEM (DLMS) CHANGE (ADC)306, ADMINISTRATIVE CHANGE TO RAIL TRANSPORTATION MODE/METHOD CODES AND DEFINITIONS 10 NOVEMBER, 2008

**AVAILABLE FROM:**

**ABSTRACT:**

**DATA CODE CHARACTERISTICS:** TYPE: ID MIN: 0001 MAX: 0002

DOD CODE	NAME/DEFINITION	X12 CODE
A	MOTOR, TRUCKLOAD	J
B	MOTOR, LESS THAN TRUCKLOAD	LT
C	VAN (UNPACKED, UNCRATED PERSONAL OR GOVERNMENT PROPERTY)	VA
D	DRIVEAWAY, TRUCKAWAY, TOWAWAY	DW
E	BUS	BU
F	AIR MOBILITY COMMAND (AMC) CHANNEL AND SPECIAL ASSIGNMENT AIRLIFT MISSION	AC-004010
F	AIR MOBILITY COMMAND (AMC) CHANNEL AND SPECIAL	ED-004030



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**History of DLMS Process Changes**

### HOT TOPICS:

- Soon to be released Defense Logistics Manuals (DLMS)
- DoD 411 - Email Address Lookup
- DLMS Implementation

[Latest information: Events & Meetings:](#)

- JPIWG PRC Meeting September 22, 2011





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**Process Changes**

DLMS process change is the approval/disapproval and implementation of changes to the Defense Logistics Management System (DLMS), achieved through DoD Component coordination, standardization and modernization of the DoD logistics process. The process includes systematic evaluation, coordination, release, implementation, configuration status accounting, reporting, functions, and maintenance of the Defense Logistics Management System. The goal of promoting an integrated approach to the management of changes includes documentation, justification, and implementation. Major functions of change control are change control and baseline reviews.

**Change Proposal Template**  
Instructions and format for change proposal submission.

**DLMS Change Status Reviews**  
**1000-Series DLMS Change Status Review**  
**Legacy DLMS Change Status Review (2012 and prior)**  
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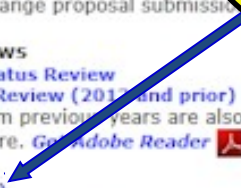
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**Related Links:**

- Format for Submitting Proposed Change
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**Listing of PDCs**





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**Proposed Changes**

**DLMS CHANGE STATUS REVIEW**

- 1000-Series DLMS Change Status Review
- Legacy DLMS Change Status Review (2012 and prior)
- 2011 Final DLMS Annual Status Review
- Template and Instructions for change proposal submissions

**Related Info:**

- Approved Changes
- Deferred/Other Change
- X12 ICs & All DLMS Supplement Formats
- Get Word Viewer
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PROPOSED CHANGE DESCRIPTION	PREPARED RESPONSE DUE
<b>Proposed DLMS Change 200</b> , Inclusion of Data Supporting Wide Area Workflow Transaction Exchange for Item Unique Identification (IUID), Zero Lost Shipments, and Performance Notification for Services Contract Administration/Supply)	12/08/05-12/29/05
<b>Proposed DLMS Change 201A</b> , Purchase Request Number in Logistics Reassignment Memorandum Due-in (MILSTRAP DDX/DLMS 527D) (Supply)	09/29/11-10/31/11
<b>Proposed Addendum 399A</b> , Automated Data Capture for Serialized Item Shipments and Preparation of the Issue Release/Receipt Document (IRRD) (DD Form 1348-1A or DD Form 1348-2) Continuation Page (Supply/MILSTRIP)	10/11/12-11/12/12 Navy-Due date ext. to 11/26/12
<b>Proposed DLMS Change 419</b> , Revise DLMS 527D Prepositioned Materiel Receipt (PMR) and 527R Receipt and Associated Procedures to Support Marine Corps BRAC Storage and Distribution Interface (Supply)	10/7/10-10/22/10
<b>Proposed DLMS Change 449</b> , Revised MILSTRAP Procedures for Logistics Accountability During Maintenance - Disallows Logistics Use of Inventory Adjustment Transaction (DAC) for Physical Movement of Materiel from a Storage Activity to a Maintenance Activity (Supply)	01/20/12 - 02/21/12
<b>Proposed DLMS Change 489</b> , Assignment of Numeric Routing Identifier Codes (DoDAAD/Supply)	09/26/11 - 10/26/11
<b>Proposed DLMS Change 1005</b> , Enhanced SDR Forwarding Capability and Packaging Discrepancy SDR Distribution to DCMA (Supply/SDR)	04/30/12 - 05/30/12
<b>Proposed DLMS Change 1007A</b> , Enhanced Pre-positioned Materiel Receipt (PMR) Data for Product Quality Deficiency Report (PQDR) Exhibit Tracking (Supply/MILSTRAP)	12/18/12 - 01/17/13
<b>Proposed DLMS Change 1010</b> , Exception Processing for DLA Government Furnished Property (GFP) Requisitions for Industrial Prime Vendor (IPV) and Integrated Logistics Partnership (ILP) Programs (Supply/MILSTRIP)	05/08/12 - 06/07/12 DSCA-Due date ext. to 6/29/12

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### Process Changes

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**Listing of ADCs**



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### Approved Changes 1000-1099

More approved changes: [ADCs 1-99](#); [ADCs 101-199](#); [ADCs 200-299](#); [ADCs 300-399](#); [ADCs 400-499](#); [ADCs 1000-1099](#)  
Bookmarks to sections on this page: [1010](#); [1020](#); [1030](#); [1040](#); [1050](#); [1060](#); [1070](#); [1080](#); [1090](#)

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- DoD XML Registry
- X12 ICs & All DLMS Supplement Formats
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[2011 Final DLMS Annual Status Review](#)  
[Template and Instructions for change proposal submissions](#)

APPROVED DLMS CHANGE/DESCRIPTION	PUBLISHED/IMPLEMENTATION DATES
<a href="#">Approved DLMS Change 1002</a> , Modification to eDAASINQ to include Special Communications Routing Identifier (COMMRI) (DoDAAD)	03/20/2012
<a href="#">Approved DLMS Change 1006</a> , Exception Processing for DLA Contractor Furnished Material (CFM) Requisition (Supply/MILSTRIP)	07/12/2012
<a href="#">Approved DLMS Change 1007</a> , New DLMS 842P, Product Quality Deficiency Report (PQDR) Data Exchange and Enhanced Exhibit Tracking via Standard Logistics Transactions	10/01/2012 <i>Approved for phased/staggered implementation no sooner than June 2013</i>
<a href="#">Approved DLMS Change 1008</a> , Unit of Measure (UoM) Transition from Borrowed Codes to Migration Codes and Establishment of New UoM for DLA Energy	10/09/12 - 12/01/12
<a href="#">Approved DLMS Change 1011</a> , Routing Identifier Code (RIC) Format Rule for Defense Contract Management Activity (DCMA)	Published: 08/13/12 Implementation: approximately 09/30/12
<a href="#">Approved DLMS Change 1012</a> , Accommodation of Disposition Services Local Stock Number (LSN) in Generator Communication (GENCOMM) (Supply/Logistics)	Published: 07/06/2012 Implementation: 08/27/2012
<a href="#">Approved DLMS Change 1013</a> , Intra-DLA Change: Disposal Turn-In Document (DTID) Number Sufficing for DLMS 846C and DLMS 846R for use by DLA Disposition Services under Reutilization Business Integration (RBI) (Supply)	Published: 06/15/2012 Implementation: 08/27/2012
<a href="#">Approved DLMS Change 1014</a> , Revised Procedures for Inclusion of Contract Data in Transactions Associated with Government Furnished Property (GFP) and Management Control Activity (MCA) Validation of Contractor Furnished Material (CFM) Requisitions (Supply and Contract Administration)	Published: 08/17/2012 Implementation: Approved for phased/staggered implementation



**DLMS Change Status Review**

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# Sample of the DLMS Change Status Report

DLMS\_Change\_Status\_Report\_Website.xlsx [Read-Only] - Microsoft Excel

B3 Modification to eDAASINQ to include Special Communications Routing Identifier (COMMRI)

1 READ ONLY REPORT -- CHANGES WILL NOT SAVE

DLMS Change Number	DLMS Change Title	Functional Area(s)	Synopsis	DLMS Change POC(s)	Change Originator	Legacy PDC Number	Date PDC Signed	PDC Responder
1042	Revise Wide Area Workflow (WAWF) Advance Shipment Notice (ASN) to Accommodate DLA Interface for Repairable Government Furnished Property (GFP)	Supply/Logistics	This change establishes interim interface procedures to document property movement of GFP from a contractor's repair location to a DLA receiving activity. Use of DLMS transaction sets and mapping of data passed between the WAWF system and Distribution Standard System (DSS) will provide source data updates to the DOD IUID Registry, including the GFP module. These changes support Financial Improvement Audit Readiness (FIAR) efforts to improve DOD property accountability. The long-term solution will require WAWF functionality to accept the DLMS 527R.	Hilert	DLA HQ	NA	11/29/12	Original Component
1044	Enhanced Interim Supply Discrepancy Report (SDR) Reply Capability, Status Update, and Completion Notification	Supply/SDR	The purpose of this proposal is to enhance communication of SDR information between the Inventory Control Point (ICP) and the storage activity. This change includes several administrative updates to the DLMS guidance	Hilert	DLA	NA	11/5/12	
1048	Defense Logistics Agency (DLA) Supply Status Code for Shipped Orders	Supply/MILSTRIP	This change documents a status code that is generated by DLA for use internal to DOD EMALL to denote a DLA requisition has been shipped. This code is not transmitted via supply status transaction.	Hilert	DLA	NA	12/17/12	
1049	New Supply Status Code for Backorders Awaiting ESA Support	Supply/Logistics	This change describes two new status codes that will be used to inform the requisitioner that their order has been placed in a backorder status while the Integrated Materiel Manager (IMM) seeks further information from an Engineering Support Agency (ESA) in order to obtain the materiel in question. A second status code will be used to inform the requisitioner that their order is about to be	Hilert	DLA	NA	12/4/12	

Instructions | DLMS Change Rpt | Component Response Rpt | Overdue Comp Response Rpt | Implementation Status Rpt | DLM Publication Rpt | DLMS Supplement Rpt



http://www2.dla.mil/j-6/dlms/eLibrary/changes/processchanges.asp

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**Related Links:**

- Format for Submitting Proposed Change
- Proposed
- Approved
- Deferred/Other
- ICs & All DLMS/DLSS Formats

**DLMS  
Process  
Enhanceme  
nt  
Reference  
is on the ICs  
page**







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## DLMS Supplements to Federal Implementation Conventions - Transaction Sets

This page contains several formats of the Supplements: ANSI ASC X12: .pdf and .xml; XML Schema

Bookmarks to sections of this page: [140](#); [180](#); [511](#); [517](#); [527](#); [536](#); [567](#); [650](#); [810](#); [812](#); [824](#); [830](#); [832](#); [842](#); [842S/R](#); [846A](#); [846I](#); [846O](#); [846S](#); [856](#); [857](#); [867](#); [869](#); [870](#); [888](#); [940](#); [940S](#); [943A](#); [945](#); [947](#); [Passive RFID Visibility Transactions](#)

NOTE: Click on the selected DLMS Supplement (DS) Number (e.g. 140A in the far left column) to retrieve all applicable DLMS data elements and their locations within the selected DLMS Supplement.

**Left Clicking** on the Hyperlink will normally **display** the document.  
**Right Clicking** on the Hyperlink will normally allow you to **save** the document to your PC.

Before printing, recommend changing settings to **landscape with left/right margins at 0.25"**.

[Click to Print Table Below](#)

No.	X12 Version	Federal IC	DLMS Supplement (DS)*	DLMS Change with Associated DS**	Title	DLMS Enhancements	DIC
140A	4010	7 Aug 08	004010F140A2AA04 Aug0411 004010F140A2AA04 Aug0411 004010F140A2AA04 Aug0411	ADC 77 ADC 147 ADC 171 ADC 220 ADC 249 ADC 436	Small Arms & Light Weapons (SA/LW) Reporting	140A	DSC DSD DSF DSM DSR
180M	4010	6 Nov 05	004010F180M3MA05 Oct1111 004010F180M3MA05 Oct1111 004010F180M3MA05 Oct1111	ADC 60 ADC 60A ADC 60B ADC 77 ADC 170 ADC 435 ADC 436	Material Returns Reporting	180M	FTA FTC FTF FTE/FTG FTT
511M	4010	18 May 09	004010F511M5MA27 Nov2612 004010F511M5MA27 Nov2612 004010F511M5MA27	ADC 59 ADC 69A ADC 75 ADC 76	Requisition Modification	511M	A0_/AM A0_/AM AMF/AMP

**DLMS Enhancements**

- Related Links:**
- [DLMS to DLSS Cross Reference](#)
  - [DLSS to DLMS Cross Reference](#)
  - [Proposed Changes](#)
  - [Deferred Changes](#)
  - [Approved Changes](#)
  - [Dictionaries/Directories](#)
  - [DoD XML Registry](#)
  - [Supply PRC](#)
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## DLMS Enhancement Report (page 1)

511R.docx [Read-Only] - Microsoft Word

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**DLMS Enhancement File**

DLMS Supplement: 511R  
X12 Version/Release: 4010  
Last Updated: November 9, 2012

**Introductory Notes:**

DLMS Enhancements are capabilities (such as the exchange of Item Unique Identification (IUID) data) that are implemented in the DLMS transactions but cannot be implemented or exchanged in non-DLMS (i.e., Legacy, DLSS, or MILS) format transactions.

As the components within the logistics domain need new enhanced capabilities, they are added to the DLMS supplements using the Proposed/Approved DLMS Change (ADC/PDC) process. The following ADCs have added DLMS Enhancement capabilities to this DLMS Supplement:

- ADC 332, Addition of Local Catalog ID qualifier to Support Requirements for Theater Enterprise-Wide Logistics System (TEWLS) Requisitions (Supply)
- ADC 328, "Off-Line" Requisitioning Processing: Internet Ordering Application Request for Component Verification of Funds Availability and Recording of the Financial Obligation.
- ADC 352, Request for Management Code for PQDR Replacement Requisitions.
- ADC 359, Perpetuation of the Denial Management Code to the DLMS Requisition, and Modification of Air Force BRAC IMSP SDR Procedures (Supply/SDR)
- ADC 363, Revise DS 511R, Requisition to Address Requirements of Navy Usage of Management Code in Multiuse Field of A4\_ (Referral Order/Lateral Redistribution Order for Retail Assets).
- ADC 381, Procedures and Additional Data Content supporting Requisitions, Requisition Alerts, and Unit of Use Requirements under Navy BRAC SS&D/IMSP
- ADC 375, New Management Code for Navy-Funded Non-Production Support Materiel Ordered Under BRAC SS&D/IMSP

The table below documents the DLMS Enhancements in this DS, specifying the location in the DS where the enhancement is located, what data in the DS is a DLMS Enhancement, the DLMS notes (if any) that apply to that data, and useful comments about the enhanced data. **Text in red** has been

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## DLMS Enhancement Report (page 2)

511R.docx [Read-Only] - Microsoft Word

Location in DLMS Supplement	Enhancement Entry	DLMS Note	Comment
1/BR01/020	ZZ Mutually Defined	<ol style="list-style-type: none"> <li>1. Use to identify the Unit of Use Indicator. When included, the quantity and unit of measure values associated with this transaction are applicable to the unit of use.</li> <li>2. Authorized DLMS enhancement under DLA industrial activity support agreement. Refer to ADC 381.</li> <li>3. Authorized DLMS enhancement for DLA Disposition Services. Refer to ADC 457.</li> </ol>	Code to distinguish the unit of use requirements. Navy BRAC sites will requisition using the NSN; however the unit of measure and quantity are applicable to the unit of use. See ADC 381.
1/BR06/020	83 Future  FI File	<ol style="list-style-type: none"> <li>1. Used by Navy industrial activities (IAs) to identify a Requisition Alert allowing stock positioning or procurement action in response to the forecasted future funded requirement. The requisition alert is an unfunded requirement. Use with BR02 Qualifier AO or BN only.</li> <li>2. Authorized DLMS enhancement under DLA industrial activity support agreement. Refer to ADC 381.</li> </ol> <ol style="list-style-type: none"> <li>1. Use with BR02 Code AO or BN to identify a requisition image transaction. All transaction set recipients must use extreme caution to ensure that individual transactions do not process as action documents which affect accountable records.</li> <li>2. Use where the original transaction has bypassed the normal DAAS transaction flow (e.g. CHA/CHJ transactions). Refer to ADC 377.</li> <li>3. Use on image transactions provided to DLA for Navy requisitions submitted directly to other DoD Component SoS, so that DLA will be able to support follow-on actions on behalf of the Navy industrial activity (IA) under a DLA industrial activity <del>activity</del> support agreement. Refer to ADC 377.</li> </ol>	Code to distinguish the requisition alert from the standard requisition. See ADC 381.  Supports functionality for DAAS generation of a copy transaction required under IMSP. Expands and clarifies existing usage for image transactions. See ADC 377.
1/N101/70	ZL Party Passing the Transaction	Use in passing orders and referral orders to identify the organization forwarding the transaction for further processing.	Administrative corrections. Staffing Note: DLMSO understanding is that requisition image transactions by a unique qualifier, but the data mapping will be consistent to the standard requisition and this ZL mapping is

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# Summary

- **DLMS provides a new logistics data exchange format**
  - ✓ Commercial vs. DoD proprietary standard
  - ✓ Variable length vs. 80-record position records with fixed data lengths
  - ✓ W3C compliant XML schema formats
- **Supports new data content to meet DoD needs**
- **Provides opportunity to reengineer logistics business processes**



# Module 3 Quiz

**Question 1:** Which of the following are DLMS enhanced capabilities?

- a) Automation of previously manual processes e.g. Supply Discrepancy Reporting
- b) Mass transaction modification and cancelation capability
- c) Separately identify supply & transportation priorities
- d) Transmission of Radio Frequency Tag Identifier (RFID)
- e) All the above

**Question 2:** Which is not a basic functionality of the 511R? .

- f) Ordering Standard and non-standard materiel
- g) Security Assistance Program materiel ordering (FMS)
- h) Receipt and Acceptance of materiel
- i) Passing and Referral orders

**Question 3:** If the DoD code (e.g., "AD") is not the same as an ASC X12 code, where do you find the cross reference conversion tables?

- j) Federally approved implementation convention
- k) DLMS office Web site at DLMS/ANSI conversion guides
- l) Appendix 13 of DLM 4000.25



# End of Module 3